INTERNATIONAL SEARCH REPORT

PCT/EP2004/014669

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L25/03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUM	NTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the n	elevant passages	Relevant to claim No.	
Ρ,Χ	EP 1 453 223 A (FUJITSU LIMITED) 1 September 2004 (2004-09-01) abstract page 2 claim 1		1-30	
X	figures 1,2,7 & WO 03/049322 A (FUJITSU LIMITE JITSUKAWA, DAISUKE; SEKI, HIROYU 12 June 2003 (2003-06-12)	D; KI)	1	
A			2-30	
X	"UNIVERSAL MOBILE TELECOMMUNICAT SYSTEM (UMTS); PHYSICAL LAYER PROCEDURES(FDD) (3GPP TS 25.214 3.4.0 RELEASE 1999)"	VERSION	1	
A	September 2000 (2000-09), ETSI V3.4.0, PAGE(S) 1-48 , XP0021666 page 31 - page 38	15 125 214 12 -/	2-30	
X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.	
considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
	ctual completion of the international search	Date of mailing of the international sear	ch report	
' '	May 2005	27/05/2005		
Name and m	alling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Mier, A		

INTERNATIONAL SEARCH REPORT

PCT/EP2004/014669

.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 2003/185310 A1 (KETCHUM JOHN W ET AL) 2 October 2003 (2003-10-02) abstract	1 2-30
	claims 1-44 figure 1	
X	WO 99/57820 A (ARRAYCOMM, INC) 11 November 1999 (1999-11-11)	1
A	abstract claims 1-51	2–30
A	US 2003/224750 A1 (SAMPATH HEMANTH) 4 December 2003 (2003-12-04) abstract claims 1-20	1-30
		
	· · · · · · · · · · · · · · · · · · ·	
	0 (continuation of second sheet) (January 2004)	

INTERNATIONAL SEARCH REPORT

PCT/EP2004/014669

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1453223	Α	01-09-2004	WO	03049322 A1	12-06-2003
			ĒΡ	1453223 A1	01-09-2004
· 			US	2005014474 A1	20-01-2005
WO 03049322	Α	12-06-2003	WO	03049322 A1	12-06-2003
Ĺ			ΕP	1453223 A1	01-09-2004
			US	2005014474 A1	20-01-2005
US 2003185310	A1	02-10-2003	AU	2003223328 A1	13-10-2003
		•	CA	2480169 A1	09-10-2003
•			EΡ	1488585 A2	22-12-2004
		·.	,WO	03084092 A2	09-10-2003
WO 9957820	Α	11-11-1999	AU	3757399 A	23-11-1999
			CN	1507168 A	23-06-2004
			CN	1507169 A	23-06-2004
			CN	1507170 A	23-06-2004
•			CN	1308794 A	15-08-2001
•			EP	1376891 A2	02-01-2004
			EP	1376892 A2	02-01-2004
			EP	1376893 A2	02-01-2004
•			ΕP	1513271 A2	09-03-2005
			EP	1078476 A1	28-02-2001
			JP	2002514033 T	14-05-2002
			WO	9957820 A1	11-11-1999
			US	2002155818 A1	24-10-2002
			US	2003050016 A1	13-03-2003
			US	2003032423 A1	13-02-2003
			US	6615024 B1	02-09-2003
			U\$ 	2004127260 A1	01-07-2004
	A1	04-12-2003	ΑU	2003238811 A1	19-12-2003
US 2003224750					
US 2003224750			EP WO	1508231 A1 03103247 A1	23-02-2005 11-12-2003